

Notice of Allowability

Application No.

09/481,643

Examiner

Chau Nguyen

Applicant(s)

LEWIS ET AL.

Art Unit

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 11/19/2004.
2. ☒ The allowed claim(s) is/are 46-53 and 56-84.
3. ☒ The drawings filed on 12 January 2000 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---|--|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____. |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____ | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____. |

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone conversation with David Burns, Applicant's representative, Registration No. 46,590, on 03/16/2005.

The application has been amended as follows:

1-45. (Previously Cancelled).

46. (Previously Presented) A method for sharing information between a first management system having associated therewith a first set of management information and a second management system having associated therewith a second set of management information, comprising the steps of:

- (a) the first management system receiving an event message, the event message indicating occurrence of an event in a network associated with the first management system;

- (b) determining whether the event message relates to an entity that is managed by the second management system;

- (c) when the event message relates to an entity that is managed by the second management system, formatting the event message in a format compatible with the second management system; and

(d) taking an action to provide the second management system with the event message in the format compatible with the second management system.

47. (Previously Presented) The method of Claim 46, further comprising a step (e) of sending the event message, in the format compatible with the second management system, to the second management system.

48. (Previously Presented) The method of Claim 46, wherein step (d) comprises a step of holding the formatted event message until requested by the second management system.

49. (Previously Presented) The method of Claim 46, wherein step (d) comprises a step of pushing the formatted event message until accepted by the second management system.

50. (Previously Presented) The method of Claim 46, wherein step (d) comprises a step of sending the formatted event message to a component accessible to the first management system and the second management system, the component holds the formatted event message until occurrence of a selected event.

51. (Previously Presented) The method of Claim 50, wherein the component within the first management system comprises a storage device having an area to hold the event message.

52. (Previously Presented) The method of Claim 50, wherein the selected event comprises a request from the first management system.

53. (Previously Presented) The method of Claim 50, wherein the selected event comprises a repeat occurrence of a selected indicia in the message.

Claims 54 and 55 (Previously Cancelled).

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56. (Previously Presented) The method of Claim 46, further comprising a step (e) of forwarding a selected portion of the first set of management information to the second management system.

57. (Previously Presented) The method of Claim 46, further comprising the steps of,
 (e) maintaining a second set of management information by the second management system; and
 (f) providing an analysis based on the first and second sets of management information.

58. (Previously Presented) The method of Claim 47, further comprising a step (f) of one of the two management systems providing an analysis based on the formatted event message to determine a further action.

59. (Previously Presented) The method of Claim 48, further comprising a step (f) of one of the two management systems providing an analysis based on the formatted event message to determine a further action.

60. (Previously Presented) The method of Claim 49, further comprising a step (f) of one of the two management systems providing an analysis based on the formatted event message to determine a further action.

61. (Currently Amended) An apparatus for sharing information between a first management system having associated therewith a first set of management information and a second management system having associated therewith a second set of management information, the apparatus comprising:

 first means for receiving an event message from the first management system, the event message indicating occurrence of an event in a network associated with the first management system;

 second means for determining whether the event message relates to an entity that is managed by the second management system;

third means for formatting the event message in a format compatible with the second management system when the event message relates to an entity that is managed by the second management system; and

fourth means for taking an action to provide the second management system with the event message in the format compatible with the second management system.

62. (Previously Presented) The apparatus of Claim 61, further comprising fifth means for sending the event message in the format compatible with the second management system to the second management system.

63. (Previously Presented) The apparatus of Claim 61, wherein the fourth means holds the formatted event message until requested by the second management system.

64. (Previously Presented) The apparatus of Claim 61, wherein the fourth means pushes the formatted event message until accepted by the second management system.

65. (Previously Presented) The apparatus of Claim 61, wherein the fourth means sends the formatted event message to a component accessible to the first management system and the second management system to hold until the first management systems requests the message.

66. (Previously Presented) The apparatus of Claim 65, wherein the component within the first management system comprises a storage device having an area to hold the formatted event message.

67. (Currently Amended) The apparatus of Claim 61, further comprising a fifth means for maintaining a the first set of management information ~~by~~ associated with the first management system.

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68. (Currently Amended) The apparatus of Claim 61, further comprising a fifth means for maintaining a the second set of management information ~~by~~ associated with the second management system.

69. (Previously Presented) The apparatus of Claim 67, further comprising a sixth means for forwarding the first set of management information to the second management system.

70. (Currently Amended) The apparatus of Claim 67, further comprising,
sixth means for maintaining a the second set of management information associated with ~~by~~ the second management system; and
seventh means for providing an analysis based on the first and second sets of management information.

71. (Currently Amended) The apparatus of Claim 61, wherein the first management system comprises one of a network management system, a system management system or ~~and~~ an element management system.

72. (Currently Amended) The apparatus of Claim 61, wherein the second management system comprises one of a network management system, a system management system ~~and~~ or an element management system.

73. (Currently Amended) A system for providing an interface between a first management system having associated therewith a first set of management information and a second management system having associated therewith a second set of management information, comprising:

a correlator, having an input that receives an event message from the first management system indicating an occurrence of an event in a network associated from with the first management system, and an output that provides a correlated event message when the event message is related to an entity managed by the second management system;

a message formatter, coupled to the correlator, having an input that receives the correlated event message and an output that provides a formatted event message in a format that is compatible with the second management system; and

an interface module, coupled to the correlator and the second management system, the interface module taking a selected action should the correlator output the correlated event message.

74. (Previously Presented) The apparatus of Claim 73, wherein the action taken by the interface module comprises holding the formatted message until requested by the second management system.

75. (Previously Presented) The apparatus of Claim 73, wherein the action taken by the interface module comprises pushing the formatted message until accepted by the second management system.

76. (Previously Presented) The apparatus of Claim 73, wherein the action taken by the interface module comprises sending the formatted message to a component within the first management system to hold until the first management systems requests the formatted message.

77. (Previously Presented) The apparatus of Claim 76, wherein the component within the first management system comprises a storage device having an area addressable by the second management system.

78. (Previously Presented) The method of Claim 46, wherein the event message an occurrence of a predefined event.

79. (Previously Presented) The method of Claim 46, wherein the event message indicates an addition of a network device to a network.

80. (Previously Presented) The method of Claim 46, wherein the event message indicates a removal of a network device from a network.

81. (Previously Presented) The method of Claim 46, wherein the event message indicates a change in a monitored parameter.

82. (Previously Presented) The method of Claim 46, wherein the event message provides a report on a monitored parameter.

83. (Previously Presented) The method of Claim 46, wherein the event message indicates a change in a derived parameter.

84. (Previously Presented) The method of Claim 46, wherein the event message provides a report on a derived parameter.


Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Chau Nguyen whose telephone number is (571) 272-4092. The Examiner can normally be reached on Monday-Friday from 8:00 am to 5:00 pm.

If attempts to reach the Examiner by telephone are unsuccessful, the Examiner's supervisor, Joseph Feild, can be reached at (571) 272-4090.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Chau Nguyen
Patent Examiner
Art Unit 2176


JOSEPH FEILD
SUPERVISORY PATENT EXAMINER